SPOKANE *REGIONAL*

SRTMC

TRANSPORTATION MANAGEMENT CENTER

ITS Projects – Systems Engineering and Architecture Compliance (Rule 940) Checklist

For all ITS projects, a Systems Engineering Checklist must be submitted to the Federal Highway Administration (FHWA) for review and approval. The checklist needs to be completed and submitted to the FHWA for review and approval prior to preliminary engineering authorization.

SECTION 1 – Project Information

1.1 NAME OF PERSON FILING CHECKLIST

1.2 PROJECT TITLE	1.3 PROJECT NUMBER

1.4 PROJECT PURPOSE
Is there a project prospectus that defines the problem? ☐ Yes ☐ No
If "No", please provide information:

Is there a project prospectus that defines the proposed solution? ☐ Yes ☐ No
If "No", please provide information:

1.5 HOW WERE THESE NEEDS IDENTIFIED? (Check appropriate box)
☐ Internal Assessment ☐ Stakeholder Involvement ☐ Regional ITS Plan ☐ Other
Please provide details on how needs were identified – If other documentation was used as a reference, please identify it here:

1.6 CONTACT PERSON/GROUP	1.7 PROJECT LOCATION	1.8 BUDGET
	☐ See Project Prospectus (if available) Highway MP Other	☐ State ☐ Federal ☐ Other Amount

1.9 NATURE OF WORK (Check appropriate box)
☐ Software/Integration ☐ Construction ☐ Operations ☐ Evaluations ☐ Planning
☐ Maintenance (Equipment Replacement) ☐ Others (Please Specify)

1.10 RELATIONSHIP TO OTHER PROJECTS AND PHASES

SECTION 2 – Regional Architecture Assessment

2.1 PORTIONS OF REGIONAL ARCHITECTURE BEING IMPLEMENTED (check all that apply)

☐ Transportation Management Center
☐ Regional Traffic Control
☐ Regional Traveler Information
☐ Road Weather Operations
☐ Maintenance and Construction Information Management
☐ Incident Management
☐ Emergency Management
☐ Public Transportation
☐ Archived Data
☐ Regional Communications Infrastructure

2.2 INVENTORY ELEMENTS IN SPOKANE REGION ITS ARCHITECTURE INCLUDED BY PROJECT

2.3 INTERFACE IMPACTS (I.E. DATA EXCHANGES) DUE TO PROJECT

2.4 DOES THE DESIGN INCORPORATE NATIONAL ITS STANDARDS?
☐ No   ☐ Yes
If "Yes", please specify what ITS Standards are being used:

2.5 DOES THE DESIGN INCORPORATE ANY SRTMC OR WSDOT ENTERPRISE STANDARDS
☐ No   ☐ Yes
If "Yes", please specify what SRTMC or WSDOT Enterprise Standards are being used:

2.6 CHANGES RECOMMENDED TO SPOKANE REGION ITS ARCHITECTURE
☐ No   ☐ Yes
If "Yes", please specify and provide detail:

SECTION 3 – Project Matrix

3.1 PROJECT MATRIX - DOCUMENTATION

	Existing	Existing To Be Modified	To Be Developed	Not Applicable	Comments/Document Reference
Alternatives Analysis	☐	☐	☐	☐	
Concept of Operations	☐	☐	☐	☐	
Requirements	☐	☐	☐	☐	
Design	☐	☐	☐	☐	
System Test Plan	☐	☐	☐	☐	

SECTION 4 – Procurement

4.1 PROCUREMENT METHODS (Check all that apply)
☐ Construction Contract
☐ Request for Proposal
☐ Invitation to Bid
☐ State Price Agreement Contract
☐ Flexible Service Contract
☐ Other
Comments:

4.2 EQUIPMENT TO BE PURCHASED WITH PROJECT FUNDING

SECTION 5 – Operations and Maintenance

5.1 PROCEDURES AND RESOURCES NEEDED FOR OPERATION

5.2 ESTIMATED ANNUAL OPERATIONS AND MAINTENANCE COSTS

SECTION 6 - Schedule

6.1 EXPECTED COMPLETION DATE

SECTION 7 - Agreements

7.1 IS AN INTERSTATE OR INTERGOVERNMENTAL AGREEMENT NEEDED FOR THIS PROJECT?
☐ Existing   ☐ To be Developed   ☐ No
Please describe: